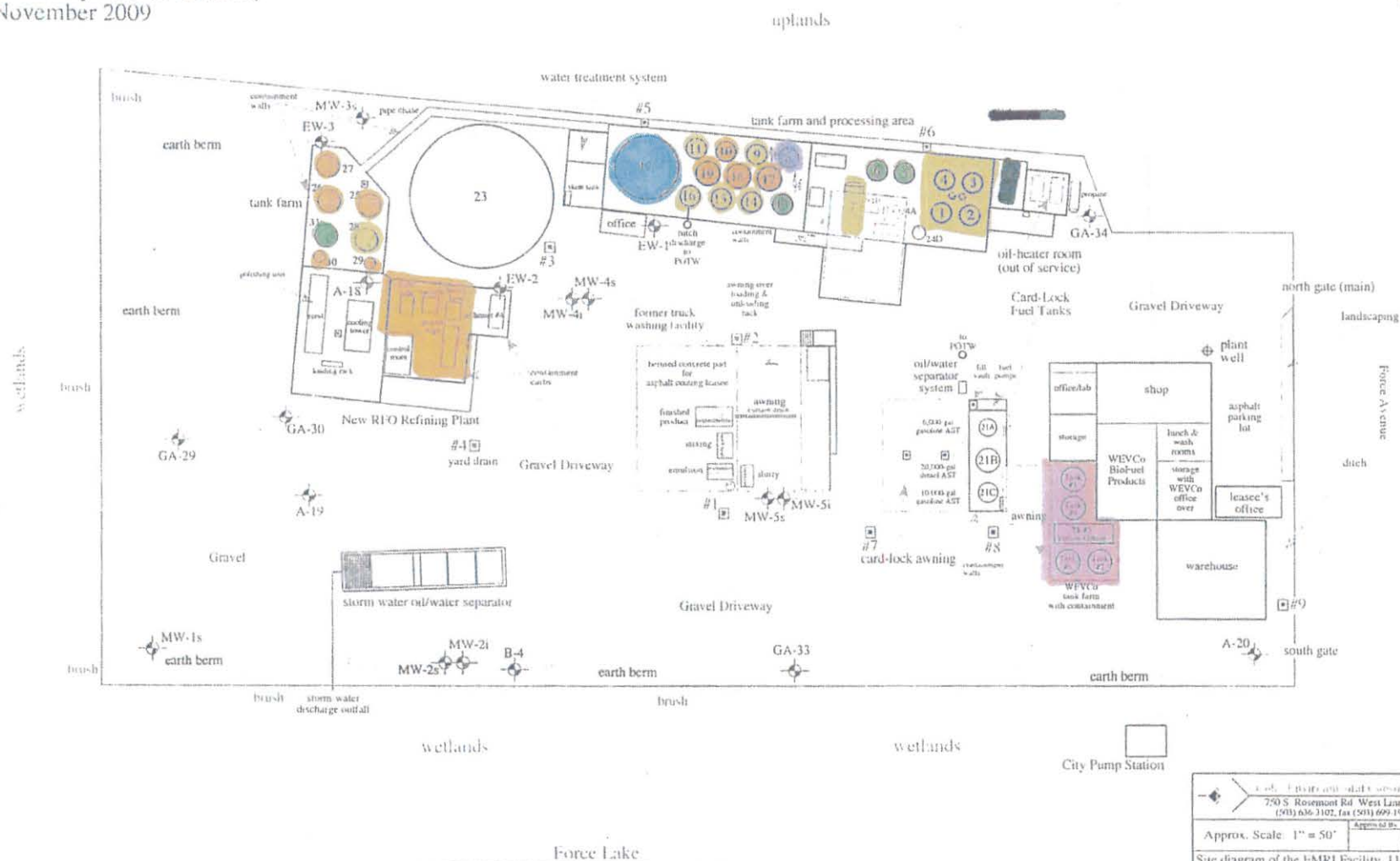


Energy & Materials Recovery, Inc. Site Diagram
(Formerly Harbor Oil, Inc.)
November 2009



Note: Location of site features approximate. Diagram based on tax lot map, aerial photograph (7/22/98), staff input, and previous diagrams.

E. J. Davis and Associates, Inc. 750 S. Rosemont Rd. West Linn, OR (503) 636-3107, fax (503) 699-1983	
Approved By: _____ Date: 11/16/09 Rev: 5	Prepared By: _____ Date: 11/16/09 Rev: 5
Site diagram of the EMRI Facility, 11533 N. Force Ave., Portland, Oregon showing key site features.	

THESE TANKS WERE NOT INVOLVED IN THE CONTAMINATION, AND CAN BE USED FOR CLEAN OIL STORAGE.

THESE TANKS WERE NOT INVOLVED IN THE CONTAMINATION, AND CAN BE USED FOR ADDITIONAL CLEAN OIL STORAGE IF NEEDED.

THESE TANKS, ALTHOUGH NOT INVOLVED IN THE CONTAMINATION, ARE NOT NECESSARILY FOR THE IMMEDIATE RE-START OF OPERATIONS.

Mike Mazza

253-538-5252

APES PCB Incident
Ame LeCocq
to:
Bruce Long
05/28/2010 10:39 AM
Cc:
"Bill Briggs", mmazza
Show Details

History: This message has been forwarded.

Dear Bruce:

This email is in follow-up to our conversation yesterday evening. A written description of events is below:

~~Wednesday~~
On ~~Thursday~~, May 26, ORRCO received two truckloads of oil from American Petroleum Environmental Services (APES). These two trucks were offloaded into our Tank 1, at the Force Avenue location. ORRCO had been informed by APES that this oil was generated in Burnaby, Canada named M and R. The generator had supplied APES with analytical, showing the PCB content of the oil to be Non Detect, with a detection limit of 2ppm. APES transported the material from Canada to ORRCO.

Prior to processing this oil, ORRCO followed its procedure of testing the tank for PCBs, even though we had analytical from the generator. We received the results on Thursday, May 27, showing Tank 1 as having a total of 55 ppm PCBs. The retain samples from the two loads received into that tank (both the loads from APES) were sent to the laboratory for analysis. The first load received came back with a result of 105 ppm, and the second load came back with a result of 7.59 ppm (all samples show an Aroclor of 1242).

At the first realization that there were PCBs in Tank 1, we contacted APES President, Mr. Mike Mazza, and notified him of the situation.

After all analytical had been received by ORRCO, and APES had been notified, I contact you to notify you of the situation.

Tank 1 has been locked down, and will remain so until further instruction. It is our understanding that Mr. Mazza and the generator would like to re-collect the oil, and transport it to a licensed TSCA disposal facility. APES would then decontaminate the tank prior to its re-use. ORRCO would be fine with this, but only once EPA states they are on board with the transport/disposal option.

Please let me know how you would like us to proceed.

Ame LeCocq
Compliance Manager
4150 N. Suttle Road
Portland, OR - 97217
ph: 503-286-8352
fx: 503-286-5027
amel@orrco.biz

John Ball



RE: APES PCB Incident
Mike Mazza
to:
Ame LeCocq, Bruce Long
05/28/2010 11:13 AM
Cc:
"Bill Briggs"
Show Details

History: This message has been replied to.

Hello all parties, Ame, you are a little incorrect. First it was Wednesday the 26th. Since APES isn't a TSCA Transporter, I don't believe that I can haul it to UT. Now if EPA rules that I could haul it, for the purpose of not creating more contamination. I would have no problem hauling it. This would be the most efficient process, and what is best for the environment. Since APES is not a TSCA transporter, I would have to have something in writing for the EPA saying it was ok this one time. I am in a hold position right now waiting for someone from the EPA to give me a call back. I want to put these trucks back in service ASAP. I have given CCS the ok to start the process of cleaning them out. In order to stop that process I would need a call from the EPA, which they are not calling me back yet. If you hear anything would you call me ASAP.



Michael P Mazza
President
2117 E River St.
Tacoma WA 98421
Office Ph. 253 538 5252
Fax 253 238 3454
Cell 253 405 8281
Email: mmazza@apes-inc.com
Web: www.apes-inc.com

From: Ame LeCocq [<mailto:AmeL@orrc.biz>]
Sent: Friday, May 28, 2010 10:46 AM
To: Long.Bruce@epamail.epa.gov
Cc: Bill Briggs; Mike Mazza
Subject: APES PCB Incident

Dear Bruce:

This email is in follow-up to our conversation yesterday evening. A written description of events is below:

On Thursday, May 26, ORRCO received two truckloads of oil from American Petroleum Environmental Services (APES). These two trucks were offloaded into our Tank 1, at the Force Avenue location. ORRCO had been informed by APES that this oil was generated in Burnaby, Canada named M and R. The generator had supplied APES with analytical, showing the PCB content of the oil to be Non Detect, with a detection limit of 2ppm. APES transported the material from Canada to ORRCO.

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Please let me know how you would like us to proceed.

*Ame LeCocq
Compliance Manager
4150 N. Suttle Road
Portland, OR - 97217
ph: 503-286-8352
fx: 503-286-5027
amel@orrcobiz*

RE: APES PCB Incident
Ame LeCocq
to:
Mike Mazza, Bruce Long
05/28/2010 11:49 AM
Cc:
"Bill Briggs"
Show Details

Mike:

Thank you - you are correct, it was WEDNESDAY, May 26, not Thursday, as I had indicated in my email.

I will attempt to reach Mr. Long by phone as well. When I spoke to him last night, he stated that he would be attempting to reach others in EPA this morning for assistance in moving forward, however, this being the Friday prior to a holiday weekend, it would be difficult. His number is 503-326-3686. You could also attempt to reach Mr. Daniel Duncan, at 207-553-6693 in Region 10's office in Seattle.

Ame LeCocq
503-286-8352
amel@orrc.biz

From: Mike Mazza [<mailto:mmazza@apes-inc.com>]
Sent: Friday, May 28, 2010 11:14 AM
To: Ame LeCocq; Long.Bruce@epamail.epa.gov
Cc: Bill Briggs
Subject: RE: APES PCB Incident

Hello all parties, Ame, you are a little incorrect. First it was Wednesday the 26th. Since APES isn't a TSCA Transporter, I don't believe that I can haul it to UT. Now if EPA rules that I could haul it, for the purpose of not creating more contamination. I would have no problem hauling it. This would be the most efficient process, and what is best for the environment. Since APES is not a TSCA transport, I would have to have something in writing for the EPA saying it was ok this one time. I am in a hold position right now waiting for someone from the EPA to give me a call back. I want to put these trucks back in service ASAP. I have given CCS the ok to start the process of cleaning them out. In order to stop that process I would need a call from the EPA, which they are not calling me back yet. If you hear anything would you call me ASAP.



Michael P Mazza
President
2117 E River St.
Tacoma WA 98421
Office Ph. 253 538 5252
Fax 253 238 3454
Cell 253 405 8281
Email: mmazza@apes-inc.com
Web: www.apes-inc.com

From: Ame LeCocq [<mailto:AmeL@orrc.co.biz>]
Sent: Friday, May 28, 2010 10:46 AM
To: Long.Bruce@epamail.epa.gov
Cc: Bill Briggs; Mike Mazza
Subject: APES PCB Incident

Dear Bruce:

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Please let me know how you would like us to proceed.

*Ame LeCocq
Compliance Manager
4150 N. Suttle Road
Portland, OR - 97217
ph: 503-286-8352
fx: 503-286-5027
amel@orrcoco.biz*



RE: APES PCB Incident

Mike Mazza to: Bruce Long

Cc: rahmat, "Janis Graves", "Matt DeVere", "Ame LeCocq"

05/28/2010 01:20 PM

Bruce, thank you for taking the time to talk with me today. Rahmat is the person you want to talk to at M&R. I will have the paper work for you Tuesday.

Rahmat Vefghi (rahmat@mrenviro.com)

Michael P Mazza
President
2117 E River St.
Tacoma WA 98421
Office Ph. 253 538 5252
Fax 253 238 3454
Cell 253 405 8281
Email: mmazza@apes-inc.com
Web: www.apes-inc.com

-----Original Message-----

From: Long.Bruce@epamail.epa.gov [mailto:Long.Bruce@epamail.epa.gov]

Sent: Friday, May 28, 2010 12:45 PM

To: Mike Mazza

Subject: RE: APES PCB Incident

From Bruce Long long.bruce@epa.gov

Bruce Long, Compliance Officer
USEPA Oregon Operations
Tel - 503-326-3686
Fax - 503-326-3399

Please consider the environment before printing this e-mail

From: "Mike Mazza" <mmazza@apes-inc.com>
To: "Ame LeCocq" <AmeL@orrco.biz>, Bruce Long/R10/USEPA/US@EPA
Cc: "Bill Briggs" <BillB@orrco.biz>
Date: 05/28/2010 11:13 AM
Subject: RE: APES PCB Incident

(Embedded image moved to file: pic17612.jpg)

Hello all parties, Ame, you are a little incorrect. First it was Wednesday the 26th. Since APES isn't a TSCA Transporter, I don't believe that I can haul it to UT. Now if EPA rules that I could haul it, for the purpose of not creating more contamination. I would have no problem hauling it. This would be the most efficient process, and what is best for the environment. Since APES is not a TSCA transport, I would have to have something in writing for the EPA saying it was ok this one time. I am in a hold position right now waiting for someone from the EPA to give me a call back. I want to put these trucks back in service ASAP. I have given CCS the ok to start the process of cleaning them out. In order to stop that process I would need a call from the EPA, which they are not calling me back yet. If you hear anything would you call me ASAP.

(Embedded image moved to file: pic18703.jpg) APES Logo
Michael P Mazza
President
2117 E River St.
Tacoma WA 98421
Office Ph. 253 538 5252
Fax 253 238 3454
Cell 253 405 8281
Email: mmazza@apes-inc.com
Web: www.apes-inc.com

From: Ame LeCocq [mailto:AmeL@orrc.co.biz]
Sent: Friday, May 28, 2010 10:46 AM
To: Long.Bruce@epamail.epa.gov
Cc: Bill Briggs; Mike Mazza
Subject: APES PCB Incident

(Embedded image moved to file: pic11027.gif)

Dear Bruce:

This email is in follow-up to our conversation yesterday evening. A written description of events is below:

On Thursday, May 26, ORRCO received two truckloads of oil from American Petroleum Environmental Services (APES). These two trucks were offloaded into our Tank 1, at the Force Avenue location. ORRCO had been informed by APES that this oil was generated in Burnaby, Canada named M and R. The generator had supplied APES with analytical, showing the PCB content of the oil to be Non Detect, with a detection limit of 2ppm. APES transported the material from Canada to ORRCO.

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Please let me know how you would like us to proceed.

Ame LeCocq
Compliance Manager
4150 N. Suttle Road
Portland, OR - 97217
ph: 503-286-8352
fx: 503-286-5027
amel@orrrco.biz

ANOTHER PCB incident
Ame LeCocq
to:
Bruce Long
05/28/2010 05:39 PM
Show Details

History: This message has been forwarded.

Dear Bruce:

I wanted to notify you, in advance of your arrival on Tuesday, that we will have ANOTHER tank to talk about.

?
,
Tank 2 at the Force Avenue site came back with a result of 11ppm PCBs when we sampled it. We pulled all of the retain samples from what went into that tank. A load received from the Spokane facility was received, and tested at 19.2 ppm, and the load received from the Klamath Falls location was 131 ppm. I have asked that the retain samples from the daily composites be sent out to the laboratory, so that we can identify the date the contaminated oil was collected. Then, we will do what we did with Burly Seal, and go back through the customers collected that day, to find the source.

All operations at Spokane and Klamath Falls that could have been contaminated or are potentially contaminated are locked down, and nothing will move or transport until we work through things. I just wanted to be sure I didn't throw you a curveball Tuesday without warning you...sorry.

Ame LeCocq
Compliance Manager
4150 N. Suttle Road
Portland, OR - 97217
ph: 503-286-8352
fx: 503-286-5027
amel@orrrco.biz



5



RE: EPA/DOE Notification

Mike Mazza

to:

Mel Frank

05/31/2010 02:46 PM

Cc:

Bruce Long

Show Details

Mel, Thanks for contacting me today. Here is the recap of my conversation with Bruce Long. Bruce is waiting for Kevin to purpose the process CCS is going to use to de-contaminate my two trucks. I would greatly appreciate if you could contact Kevin ASAP tomorrow morning, and get him moving on this process. Per my conversation with Bruce, he stated that the operation side of the clean out could be started, he just wants the paper work side done before the release of the trucks. I completely understand that this need to be completed by the book, but time is of most importance. If this is something that your company can't handle in a timely fashion due to the complexity of the process I could contact someone else. Please advise me of your time line for completing this process. Here is Bruce Long's email address. long.bruce@epa.gov

Bruce Long, Compliance Officer

USEPA Oregon Operations

Tel - 503-326-3686

Fax - 503-326-339



Michael P Mazza

President

2117 E River St.

Tacoma WA 98421

Office Ph. 253 538 5252

Fax 253 238 3454

Cell 253 405 8281

Email: mmazza@apes-inc.com

Web: www.apes-inc.com

From: Mel Frank [<mailto:melf@pncorp.com>]

Sent: Friday, May 28, 2010 2:30 PM

To: Mike Mazza

Cc: allens@pncorp.com; 'Kevin Manzano'

Subject: EPA/DOE Notification

Importance: High

Mike,

Attached for your review is "Subcontract Work Order Agreement" for the cleaning of the (2) trucks and tankers that are contaminated with PCB's. Can you review, sign off and scan a copy back to me. Thanks!

As a environmental service company, there are guidelines and regulations that CCS needs to follow to be in complinace to complete this type of a cleaning project. With this being stated; CCS cannot perform any work until American Petroleum Enviropnmental Services has received a directive from EPA and DOE. American Petroleum Environmental Services will need to provide to CCS a contact person and telephone number/e-mail address from EPA and DOE. Once we receive the contact information CCS will send a proposed method of decontamination for the (2) trucks and tankers to EPA and DOE for their approval prior to the cleaning.

If you have any questions feel free to contact me either on my cell phone or through e-mail. Thanks!

Mel Frank
Cowlitz Clean Sweep (CCS)
Project Manager
Phone: (253) 383-3446
Fax: (253) 272-5895
Cell: (360) 957-1421
E-mail: melf@pnecorp.com



RE: APES PCB Incident

Mike Mazza to: Bruce Long

Cc: "Graber, Kerry (ECY)", "Ame LeCocq"

05/31/2010 03:24 PM

History:

This message has been replied to.

Bruce,

M&R Environmental contacted me today with an update. M&R has tracked the source of contamination back to the source. They are waiting on the final analysis to complete the source report. M&R had a driver that didn't follow a procedure that caused the problem. The driver by not following M&R procedures, pumped a Transformer. M&R has assured me several times that they don't accept Transformer oil or any form of PCB oil. They batch test prior to me picking up the oil. Due to the small volume of PCB oil that caused the problem, the PCB's didn't show up on their tank test results.

It appears our testing will no longer matter since M&R has found the source. The only issue we need to see now is the final result on the transformer. I don't have much experience with Transformers, but from everything I have heard it will most likely be higher than the results of the truck. M&R's results on their collection truck was 300 ppm. Those results were from a truck that led them back to the source. It is safe to say that the source is going to be higher than the truck. M&R has analysis in right now on the transformer. I should get their results tomorrow, and I will forward it to you. As you know I have been in contact with CCS with regard to de-contaminating my trucks. Per our conversation on Friday you indicated it was ok to start the process. I am pressuring CCS to de-contaminate my trucks ASAP. Is there anyone else I need to contact. I called Dan Duncan on Friday, his voice mail said that he was going to be out on extended work leave until sometime in July. Please advise me if there is anything else I need to do. M&R has insurance that will cover the financial problem. To include my trucks, and Orrco's tank problem. They have taken full responsibility for the problem and are cooperating fully. Please feel free to contact me anytime. I will give you updates as they come in.

Michael P Mazza
President
2117 E River St.
Tacoma WA 98421
Office Ph. 253 538 5252
Fax 253 238 3454
Cell 253 405 8281
Email: mmazza@apes-inc.com
Web: www.apes-inc.com

-----Original Message-----

From: Long.Bruce@epamail.epa.gov [mailto:Long.Bruce@epamail.epa.gov]

Sent: Friday, May 28, 2010 12:45 PM

To: Mike Mazza

Subject: RE: APES PCB Incident

From Bruce Long long.bruce@epa.gov

Bruce Long, Compliance Officer
USEPA Oregon Operations

Tel - 503-326-3686
Fax - 503-326-3399

Please consider the environment before printing this e-mail

From: "Mike Mazza" <mmazza@apes-inc.com>
To: "Ame LeCocq" <AmeL@orrco.biz>, Bruce Long/R10/USEPA/US@EPA
Cc: "Bill Briggs" <BillB@orrco.biz>
Date: 05/28/2010 11:13 AM
Subject: RE: APES PCB Incident

(Embedded image moved to file: pic17612.jpg)

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(Embedded image moved to file: pic18703.jpg) APES Logo

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Office Ph. 253 538 5252
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Cell 253 405 8281
Email: mmazza@apes-inc.com
Web: www.apes-inc.com

From: Ame LeCocq [mailto:AmeL@orrco.biz]
Sent: Friday, May 28, 2010 10:46 AM
To: Long.Bruce@epamail.epa.gov
Cc: Bill Briggs; Mike Mazza
Subject: APES PCB Incident

(Embedded image moved to file: pic11027.gif)

Dear Bruce:

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Please let me know how you would like us to proceed.

Ame LeCocq
Compliance Manager
4150 N. Suttle Road
Portland, OR - 97217
ph: 503-286-8352
fx: 503-286-5027
amel@orrcobiz

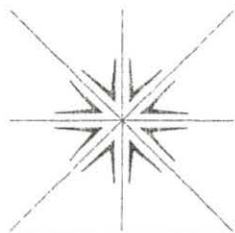
First two load samples
Ame LeCocq
to:
Bruce Long
06/03/2010 10:52 AM
Show Details

Dear Bruce:

Good news - I DO have the retain samples from the first two loads received from APES - they were NOT at the lab as I had thought, EMRI had them. We sent the samples to the lab for the contents of the tank, but NOT the retains (the contents of the tank came back non-detect).

When would you like to come by to sample these?

*Ame LeCocq
Compliance Manager
4150 N. Suttle Road
Portland, OR - 97217
ph: 503-286-8352
fx: 503-286-5027
amel@orrco.biz*



Specialty Analytical

11711 SE Capps Road
Clackamas, OR 97015
(503) 607-1331
Fax (503) 607-1336

June 01, 2010

Philip Nerenberg
Apex Laboratories
12232 SW Garden Place
Tigard, OR 97223

TEL: (503) 718-2323

FAX: (503) 718-0333

RE: A10E256

Dear Philip Nerenberg:

Order No.: 1005184

Specialty Analytical received 1 sample on 5/26/2010 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Cindy Hillyard
Cindy Hillyard
Project Manager

[Signature]
Technical Review

Specialty Analytical

Date: 01-Jun-10

CLIENT: Apex Laboratories
Project: A10E256**Lab Order:** 1005184**Lab ID:** 1005184-01
Client Sample ID: EMRI Tank 2**Collection Date:** 5/26/2010**Matrix:** OIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PCB'S IN OIL		SW8082		Analyst: jrp		
Aroclor 1016	ND	1.00		mg/Kg	1	5/26/2010
Aroclor 1221	ND	1.00		mg/Kg	1	5/26/2010
Aroclor 1232	ND	1.00		mg/Kg	1	5/26/2010
Aroclor 1242	ND	1.00		mg/Kg	1	5/26/2010
Aroclor 1248	ND	1.00		mg/Kg	1	5/26/2010
Aroclor 1254	ND	1.00		mg/Kg	1	5/26/2010
Aroclor 1260	11.2	1.00		mg/Kg	1	5/26/2010
Aroclor 1262	ND	1.00		mg/Kg	1	5/26/2010
Aroclor 1268	ND	1.00		mg/Kg	1	5/26/2010
Surr: Decachlorobiphenyl	74.0	76.3-151	S,MI	%REC	1	5/26/2010

CLIENT: Apex Laboratories
 Work Order: 1005184
 Project: A10E256

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_O

Sample ID: MB-25670	SampType: MBLK	TestCode: 8082_O	Units: mg/Kg	Prep Date: 5/26/2010	Run ID: GCK_100526A						
Client ID: ZZZZZ	Batch ID: 25670	TestNo: SW8082		Analysis Date: 5/26/2010	SeqNo: 676254						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	1.00									
Aroclor 1221	ND	1.00									
Aroclor 1232	ND	1.00									
Aroclor 1248	ND	1.00									
Aroclor 1254	ND	1.00									
Aroclor 1260	ND	1.00									
Aroclor 1262	ND	1.00									
Aroclor 1268	ND	1.00									
Surr: Decachlorobiphenyl	883.7	0	1000	0	88.4	76.3	151	0	0		

Sample ID: MB-25670	SampType: MBLK	TestCode: 8082_O	Units: mg/Kg	Prep Date: 5/26/2010	Run ID: GCK_100526A						
Client ID: ZZZZZ	Batch ID: 25670	TestNo: SW8082		Analysis Date: 5/26/2010	SeqNo: 676258						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1242	ND	1.00									

Sample ID: CCV	SampType: CCV	TestCode: 8082_O	Units: mg/Kg	Prep Date:	Run ID: GCK_100526A						
Client ID: ZZZZZ	Batch ID: 25670	TestNo: SW8082		Analysis Date: 5/26/2010	SeqNo: 676253						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	9.2	1.00	10	0	92	85	115	0	0		
Aroclor 1260	10	1.00	10	0	100	85	115	0	0		

Sample ID: CCV	SampType: CCV	TestCode: 8082_O	Units: mg/Kg	Prep Date:	Run ID: GCK_100526A						
Client ID: ZZZZZ	Batch ID: 25670	TestNo: SW8082		Analysis Date: 5/26/2010	SeqNo: 676257						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016/1260	8.54	1.00	10	0	85.4	85	115	0	0		
Aroclor 1242	10	1.00	10	0	100	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Apex Laboratories
Work Order: 1005184
Project: A10E256

ANALYTICAL QC SUMMARY REPORT

TestCode: 8082_O

Sample ID: CCV	SampType: CCV	TestCode: 8082_O	Units: mg/Kg	Prep Date:	Run ID: GCK_100526A						
Client ID: ZZZZZ	Batch ID: 25670	TestNo: SW8082	Analysis Date: 5/26/2010	SeqNo: 676257							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1260	9.43	1.00	10	0	94.3	85	115	0	0		

Sample ID: CCV	SampType: CCV	TestCode: 8082_O	Units: mg/Kg	Prep Date:	Run ID: GCK_100526A						
Client ID: ZZZZZ	Batch ID: 25670	TestNo: SW8082	Analysis Date: 5/26/2010	SeqNo: 676260							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1242	10.1	1.00	10	0	101	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

KEY TO FLAGS

- A This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
- A1 This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
- A2 This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
- A3 The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
- B The blank exhibited a positive result greater than the reporting limit for this compound.
- CN See Case Narrative.
- D Result is based from a dilution.
- E Result exceeds the calibration range for this compound. The result should be considered as estimate.
- F The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
- H Sample was analyzed outside recommended hold time.
- HT At clients request, sample was analyzed outside recommended hold time.
- J The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
- K Diesel result is biased high due to amount of Oil contained in the sample.
- L Diesel result is biased high due to amount of Gasoline contained in the sample.
- M Oil result is biased high due to amount of Diesel contained in the sample.
- N Gasoline result is biased high due to amount of Diesel contained in the sample.
- MC Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI Result is outside control limits due to matrix interference.
- MSA Value determined by Method of Standard Addition.
- O Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
- P Detection levels of Methylene Chloride may be laboratory contamination, due to previous analysis or background levels.
- Q Detection levels elevated due to sample matrix.
- R RPD control limits were exceeded.
- RF Duplicate failed due to result being at or near the method-reporting limit.
- RP Matrix spike values exceed established QC limits, post digestion spike is in control.
- S Recovery is outside control limits.
- SC Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
- * The result for this parameter was greater than the maximum contaminant level of the TCLP regulatory limit.

SUBCONTRACT ORDER

Apex Laboratories

A10E256

#00776
1005184SENDING LABORATORY:

Apex Laboratories
12232 S.W. Garden Place
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 718-0333
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Specialty Analytical
11711 SE Capps Rd
Clackamas, OR 97015
Phone: (503) 607-1331
Fax: (503) 607-1336

Sample Name: EMRI APES/Tank 1 Oil Sampled: 05/26/10 00:00 (A10E256-01)
no sample date/time on COC; label reads 5/26/201

Analysis	Due	Expires	Comments
8082 PCBs Containers Supplied: (A)250 mL Brown Poly - Non Preserved	05/26/10 17:00	05/26/11 00:00	asap

Sample Name: EMRI Tank 2 Oil Sampled: 05/26/10 00:00 (A10E256-02)
no sample date/time on COC; label reads 5/25/201

Analysis	Due	Expires	Comments
8082 PCBs Containers Supplied: (A)250 mL Brown Poly - Non Preserved	05/26/10 17:00	05/26/11 00:00	asap

Released By

Date

Received By

Date

Released By

Date

Received By

Date